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The ***FEMP MONTHLY UPDATE*** is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the ***UPDATE*** is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The ***FEMP MONTHLY UPDATE*** is prepared for FEMP by Energetics, Incorporated, (202) 479-2748.

DOE BULLETIN BOARD

Short Term Energy Outlook, Energy Information Administration (EIA), June 2002.

The OPEC basket price for oil has been above \$22 per barrel since March 8 and is projected to remain within that range for the next 18 months. In order to stay in range, OPEC must continue to increase production by another half million barrels per day by year's end.

Regular gasoline prices dropped one cent per gallon in May. The expected summer average is \$1.41 per gallon, 13 cents less than last summer.

This year's annual average U.S. natural gas wellhead price is projected to be approximately \$2.90 per thousand cubic feet, compared to about \$4.10 last year. Prices should rise 30 to 40 cents per thousand cubic feet in 2003 due to lower storage levels, rising crude oil prices, and economic growth. Demand for natural gas is likely to increase throughout 2002 and 2003.

U.S. total petroleum products demand for 2002 is projected to average 19.67 million barrels per day, increasing to 20.30 million barrels per day in 2003. That would be the first time in which total annual petroleum demand have exceeded the 20 barrels per day million mark.

Total electricity demand this summer is expected to increase by less than one percent over last summer's level.

Risk Center Report, June 14, 2002.

Oil prices may fall this year as non-OPEC countries increase consumption and world economies grow more slowly than predicted. London's Brent crude oil benchmark for 2002 will likely average about \$23 per barrel, 6.7 percent less than 2001.

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WHAT'S NEW ON THE FEMP WEBSITE

There is a new link from the FEMP home page to the DOE State Energy Program homepage, where

CONGRESSIONAL ACTIVITIES

CONGRESSIONAL SCHEDULE

Congress will be on a Fourth of July Holiday recess the week of July 1.

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STATUS OF PENDING AUTHORIZATION BILLS OF INTEREST TO FEMP

*Refer to the Legislative Database at
www.eren.doe.gov/femp/resources/initiatives.html*

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NEW LEGISLATIVE INITIATIVES OF INTEREST TO FEMP

- No new initiatives of interest have been introduced.

FY 2003 APPROPRIATIONS

House

Interior and Related Agencies On June 25, the Subcommittee on Interior and Related Agencies marked up FY 2003 appropriations for the Department of Energy. The Department's Office of Energy Efficiency and Renewable Energy (EERE) received an increase of \$72 million over the President's request of \$901.651 million bringing the total to \$984.653 million. Highlights include the following:

Department of Energy – Office of Energy Efficiency and Renewable Energy - \$984.653 million (*represents an increase of \$83.002 million*)

Federal Energy Management Program - \$24.880 million

Building Research and Standards - \$59.263 million

Building Technology Assistance (to States) - \$322.237 million

- *Cooperative Programs with States* - \$402.293 million

DOE BULLETIN BOARD

readers can find information on DOE State Grant Programs and Energy Office contacts.

www.eren.doe.gov/femp/resources/state_energy_grants.html

Brightfields: Redeveloping brownfields with solar energy – www.eren.doe.gov/brightfields

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- *Industry - \$159.859 million*
- *Power (Distributed Generation)- \$79.704 million*
- *Transportation - \$273.864 million*
- *Policy and Management - \$43.053 million*
- *National Academy of Science Program Review - \$1 million*

Department of Interior

National Park Service Backlog - \$368 million

Provisional highlights include the following:

- DOE should notify committee in the FY 2004 budget submission on economies and efficiencies realized through the recent reorganization of EERE. The committee expects that several positions can be eliminated as a result of the consolidation of the budget and administration functions.
- DOE should not withhold program funds appropriated by Congress without justifying such withholdings in advance and in writing to the House and Senate Committees on Appropriations.
- Funding for the National Academy review of programs should remain in the base for continuing the review by the Academy of programs, using the Academy's matrix, to measure relative benefits expected and to inform decision making on what programs should be continued, expanded, scaled back, or eliminated.
- Directs Assistant Secretaries for EERE and Fossil Energy to modify current procurement practice to allow full and open competition to occur, when appropriate. This more flexible, pragmatic, and fully responsible approach will achieve technical integrity and improve funding efficiencies while maintaining realistic small and minority business goals.
- Directs DOE to report to committee by December 1, 2002, what the agency is doing to implement the next generation lighting initiative using funds appropriated for FY 2003.
- Directs DOE to restructure the Rebuild America program to a small number of manageable consortia rather than hundreds of directly reporting individual programs.
- Directs DOE to apply the \$3 million increase for distributed energy systems for applications integration to focus on projects in two areas: high technology industries like telecommunications and development and deployment of distributed energy resources architecture, engineering, and design to reduce risks and costs associations with on-site generation.
- Directs the acceleration of funding for the biobased products consortia in the agriculture industry of the future program to support development of the bioproducts industry.
- Directs DOE to closely coordinate the cooperative programs with the states and the energy efficiency science initiative with the Fossil Energy R&D program to ensure highest priority research needs across EERE and Fossil Energy.
- Directs DOE to promote the development of metrics that are helpful in tracking improvements in energy and material usage, pollutant and greenhouse gas generation, and water use for energy-intensive industries and for disseminating resulting lessons learned.

- Directs DOE to expand the Northwest Alliance for Transportation Technologies to support continued development of essential power systems advanced emissions technologies for light duty and heavy duty vehicles and in FY 2004, DOE should consider increasing engine boosting technology activity funding in the vehicle technology program to explore engine downsizing opportunities and resulting efficiencies through the use of turbo chargers.

Agriculture, Rural Development and Food and Drug Administration On June 26, the subcommittee marked up this bill; highlights of interest in the \$17.601 million bill include the following:

- Continues centralized funding of General Services Administration rental costs for USDA in a single account versus transferring funds to agency accounts as proposed in the budget request.
- Provides unspecified funding to continue construction of a major facility consolidation and modernization project to meet high national priority animal health programs.

Military Construction The full committee marked up the bill on June 24; the bill reflects the Subcommittee on Military Construction mark up as provided below:

Military Construction Projects - \$5.3 billion and includes:

- Barracks - \$1.2 billion
- Child development centers - \$18 million
- Hospital and medical facilities - \$151 million

Family Housing - \$4.2 billion and includes:

- New family housing units and improvements to existing units - \$1.3 billion
- Operation and maintenance of existing units - \$2.9 billion

Base Realignment and Closure - \$545 million and includes:

- Operations and maintenance, permanent change of station, other costs, and offsetting reductions - \$60 million

Defense The full committee completed marking up a \$354.7 billion, non-discretionary FY 2003 Defense Appropriations bill on June 24. Provisions of interest include the following:

- Unspecified funding across services for barracks renovation and dining facilities, depot maintenance and related activities.
- Provides funding for the acquisition of new vehicles for the Army (40), Navy (141), Air Force (263), and Defense-Wide (99).

Treasury, Postal Service, and General Government The subcommittee completed marking up this \$18.5 billion bill on June 26. Provisions of interest include the following:

- Training Facilities - \$8.5 million for additional investment in construction to meet homeland security and law enforcement training needs.

Senate

302(b) Allocations Refer to the Appropriations Chart, [Attachment A](#) for details.

Interior and Related Agencies The full committee marked up a \$19,346,902 bill on June 27, which provides DOE with \$1.830 million in funding. Specific program details are pending.

Military Construction The full committee approved a \$10.6 billion bill, which includes the following:

Military Construction- \$5.6 billion

- Barracks - \$1.1 billion
- Child Development Centers - \$25.73 million
- Hospitals and Medical Facilities - \$136.78 million

Family Housing - \$4.23 billion

- New family housing units and improvements to existing units - \$1/22 billion
- Operation and maintenance of existing units - \$2.9 billion

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HEARINGS OF INTEREST OF FEMP

- *There are no hearings scheduled during the week of July 1 – 5 because Congress is in recess. Both Houses will reconvene on July 8.*

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FEDERAL AGENCY **ACTIVITIES**

See also:

- [Attachment B](#) – Privatization Projects
- [Attachment C](#) – Federal Building Projects

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DEPARTMENT OF DEFENSE

On April 15, 2002, the Director of Defense Procurement issued a Memorandum for the Directors of Defense Agencies authorizing a class deviation from the cost principle with respect to Federal Acquisition Regulation (FAR) 31-205-20 (interest and other financial costs) for utility privatization contracts under which previously government-owned utility systems are conveyed by a Military Department or Defense agency contractor. The memorandum authorizes utilities privatization contractors to recover the interest costs associated only with capital expenditures to acquire, renovate, replace, upgrade, and/or expand utility systems. The contractor will not be permitted to receive facilities capital cost of money as a contract under FAR 27.205.10 (Cost of Money). Interest rates used to calculate

allowable interest costs pursuant to this call deviation must be limited to 600 basis points above the *Contracts Disputes Act* interest rate in effect at the time the contractor makes the capital expenditure - effective for privatization contracts awarded between May 1, 2002 and April 30, 2007. For further information, contact Christopher Werner at 703-695-9764 or via e-mail at Christopher.Werner@osd.mil.

DEPARTMENT OF ENERGY

The Department's National Energy Technology Laboratory (NETL) has issued a solicitation to identify a contractor to perform a market characterization of the new building construction market for DOE's Office of Building Technology, State and Community Programs. Project goals include identifying:

- Types and kinds of new commercial structures being built and to be built over a short- and long-term period
- Levels of commercial new construction activity by locale and types and kinds of structures
- Number and size of players including developers, owners, architecture and engineering firms, especially major national and regional players
- Interactions among players including patterns of association and information exchange
- Segments within the market where players share similar patterns of decision making, capital use, or technology needs
- Process by which new commercial building construction is completed and the forces at work within the process that influence the energy efficiency of buildings
- Role of zoning and local codes, code enforcement in influencing the energy efficiency of buildings
- Individuals and firms within the market who are looked to by others and who influence trends
- Forces at work that are changing the way players related to one another and the way they make decisions
- Strategies that might accelerate and increase the acceptance of energy efficient technologies and whole building design concepts.

For more information on Solicitation Number DE-AP26-O2NT2025115, contact Robert Mohn at 412-386-4963.

The American Institute of Architects' Committee on the Environment recently selected its annual Top Ten "Green" Projects, recognizing design solutions that protect and enhance the environment and prove the social, environmental, and economic benefits of sustainable design. Projects were judged upon their contributions to existing ecosystems, connections to the surrounding communities, use of high-performance technologies, energy use, and sensitive use of materials and resources. **Winning projects include Building 850, home of the Naval Base Ventura County Public Works Department in Port Hueneme, California; the National Wildlife Federation headquarters in Reston, Virginia; and the Iowa Association of Municipal Utilities in Ankeny, Iowa. The Top Ten "Green" Projects initiative was developed in partnership with the Department of Energy.** (Source: *Green Building News*, Spring 2002)

Scientists at Sandia National Laboratory (SNL) have developed a new tungsten-based light bulb that boasts greater than 60 percent efficiency, a huge increase from the five percent efficiency found in the common tungsten-filament light bulbs that have dominated the market for years. By creating a

microscopic tungsten lattice to replace the filament, scientists created a light bulb that emits less heat and more light, thereby reducing required electrical generating capacity, costs to homeowners caused by inefficient lighting, and environmental damage from unnecessary power generation. The microfilament lattice can be fabricated cheaply and easily and, according to SNL, can be used to increase efficiencies in thermal photovoltaic applications as well. (Source: *EarthVision Environmental News*, May, 2002)

As part of the Department of Energy's "Building America" initiative, **Oak Ridge National Laboratory (ORNL) announced that it is testing state-of-the-art energy efficient building technologies for use in new homes built by Habitat for Humanity.** The initiative will result in the construction of zero net energy homes that feature structural insulated panels, raised metal-seamed roofs, biomass-fired microturbines, photovoltaic solar panels, and hydronic heating systems. "These houses will show builders, utilities, and home owners the 'leapfrog' integrated technologies available today, as well as those on the near horizon that will be marketable by 2010," said Jeff Christian, Director of ORNL's Buildings Technology Center. (Source: *EarthVision Environmental News*, June 21, 2002)

Through its Building Energy Codes Program, the Department of Energy is awarding almost \$2 million to 22 states to update and implement building energy codes, an initiative which will improve the energy efficiency of new and renovated buildings. The funds will also provide energy code training to more than 2,000 architects, builders, code officials, and engineers and technical assistance to states. Thus far, DOE's investment in upgrading building energy codes has improved the energy efficiency of nearly three billion square feet of new commercial floor space and nearly four million households and has saved consumers an estimated \$4.2 billion. For more information, go to www.eren.doe.gov/buildings/state_energy. (Source: DOE Press Release, June, 2002)

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ENVIRONMENTAL PROTECTION AGENCY

The Environmental Protection Agency (EPA) recently launched a new ENERGY STAR™ performance-rating tool for hotels, allowing establishments to benchmark their energy performance against other hotels nationwide. EPA developed the new ratings scale with the assistance of several hoteliers including the Hyatt Corporation and Starwood Hotels and Resorts. The Courtyard Indianapolis Capital and the Sheraton Boston Hotel have already received the ENERGY STAR™ label for superior energy performance. Starwood Hotels and Resorts also received the 2002 ENERGY STAR™ Hospitality Partner of the Year Award for its environmental achievements including investing \$8 million in energy conservation projects, reducing energy use by 167 million Btus, installing fuel cells in selected facilities, reducing water use, and rolling out networked guest room energy management systems. For more information, visit www.energystar.gov. (Source: EPA Press Release, June 12, 2002 and *Greenclips*, June 5, 2002)

FEDERAL ENERGY REGULATORY COMMISSION

In July, the Federal Energy Regulatory Commission (FERC) will present to Congress an interim report on its investigation of electric market manipulation in California in 2000 and 2001. In a separate initiative, FERC is creating an Office of Market Oversight and Investigations that will monitor electric, natural gas, and oil pipeline markets under its jurisdiction. By August, 110 staffers, including economists, attorneys, and data analysts will assume positions within the new office. (Source: *Reuters*, June 21, 2002)

ATLANTA REGION

ESPC/SUPER ESPC PROJECTS

The Environmental Protection Agency recently opened a new 1.2 million square foot research facility in Research Triangle Park, North Carolina, designed to minimize environmental impacts, lower energy use, and provide a healthy indoor environment. Compared to similarly sized standard

facilities, the Research Triangle Park campus is 40 percent more energy efficient and uses 25 percent less land for parking. The facility also recycles and naturally filters 100 percent of stormwater runoff. Eighty percent of the waste generated during construction was recycled. (Source: *EarthVision Environmental News*, June 3, 2002)

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Utility/DSM Activities

The Department of Transportation has awarded a contract for natural gas service for the U.S. Coast Guard Support Center in Elizabeth City, North Carolina. Distribution Construction Company of Greensboro, North Carolina, was awarded a contract for \$150,131.39; contact Pamela Komer at 216-902-6216 for information on Contract Number DTG83-02-C-3WF180.

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BOSTON REGION

No news of interest to FEMP.

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CHICAGO REGION

No news of interest to FEMP.

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DENVER REGION

Utility/DSM Activities

The Department of the Treasury plans to award a contract to the City of Austin, Texas for electricity and water for the IRS Service Center located in Austin, Texas. Because there is no other source, the City of Austin will provide the service. For more information, contact Ernie Reeves at 972-308-1977 and refer to Reference Number P-2-P2-5C-BM-A.

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PHILADELPHIA REGION

No news of interest to FEMP.

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SEATTLE REGION

Solar and Renewable Energy Projects

The National Park Service has purchased two fuel cell systems for use in Yosemite National Park in California. The environmentally friendly solid oxide fuel cells, supplied by Fuel Cell Technologies, will be used to provide heat for offices and hot water for visitor centers, offices, and other facilities in the park. Bonneville Power Administration facilitated the sale of the fuel cells. (Source: *EarthVision Environmental News*, June 20, 2002)

The largest photovoltaic solar power facility constructed in the Pacific Northwest to date was recently dedicated in Richland, Washington. The White Bluffs Solar Station, comprised of 242 photovoltaic panels, should produce 29.5 kilowatts AC of energy. Energy Northwest will own and operate the facility, the Bonneville Power Administration will integrate the power into its system, and the Bonneville Environmental Foundation (BEF) will market the environmental attributes of the station as “Green Tags” to buyers who wish to offset the negative environmental effects of their own direct power consumption. The Department of Energy contributed \$30,000 to the project through its “Brightfields” solar grant program. “Green power customers have shown great interest in supporting solar energy throughout the Pacific Northwest. White Bluffs marks another successful partnership to meet this demand,” said Angus Duncan, BEF President. (Source: Bonneville Power Administration Press Release, May 31, 2002)

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MULTIPLE REGIONS

Utility/DSM Activities

The U.S. Postal Service plans to pre-qualify Energy Service Providers to provide electricity to Postal facilities in the States of Maine, Massachusetts, and Ohio. An approximate total of 214,283,422 kWh of generation is anticipated for 1,000 postal accounts. For more information on Solicitation Number 089480-02-A-0132B, contact Deborah Wilcox-Loos at 860-285-7343.

The U.S. Postal Service also plans to pre-qualify Energy Service Providers of natural gas transportation and related management services to 357 accounts located in 40 states and seven Postal Service Areas. For more information, contact Deborah Wilcox-Loos at 860-285-7343 and refer to Solicitation Number 089480-02-A-0132.

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STATE AND LOCAL GOVERNMENT ACTIVITIES

GENERAL ANNOUNCEMENTS

On June 11, private companies and state organizations teamed up to discuss the emerging market for renewable energy in Mid-Atlantic states. Sponsored by the Center for Resource Solutions and the Mid-Atlantic Renewable Energy Coalition, the Mid-Atlantic Green Power Procurement Workshop assembled testimonials from such companies as Kinko's, Ikea, IBM, and Johnson & Johnson on how corporations integrate renewable energy into power purchasing. Jan Jamrin, CRS Executive Director, said that “businesses and institutions are building [the green power market] by making “green power” a part of the way they do business.” Sponsors chose to hold the event in the Mid-Atlantic area because the region is the largest and fastest-growing American market for green power. (Source: *Business Wire*, May 29, 2002)

ATLANTA REGION

► General State Activities

The Florida State Solar Energy Center installed a 4.8 kW photovoltaic unit on the New Smyrna Beach Municipal Golf Facility. Part of the SunSmart® program, the green power will be harvested and sold in blocks of 10, 25, and 50 kW at a cost of two, five, and ten dollars respectively. For more information on the SunSmart® program, visit www.sunsmart.org.

► *Status of Utility-Related Activities*

The City of Nashville, Tennessee, has joined the Tennessee Valley Authority's Green Power Switch program. Power generated from renewable sources such as wind, landfill methane, and solar power will support all state buildings in Nashville. This makes the State of Tennessee the first state government to participate in such a program. The city will purchase 720,000 kWh per year at a premium of \$19,000. (Source: *Green Power Marketing Monthly Update*, May 2002)

In the first initiative of its kind in the U.S., the entire State of North Carolina may be eligible to receive electricity generated from renewable sources, pending approval by of the NC Green Power program by the North Carolina Utilities Commission. A four dollar surcharge on each utility bill will buy a 100 kWh block of electricity generated from wind, small hydro, solar, and biomass. (Source: *PRNewswire*, May 31, 2002)

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BOSTON REGION

► *General State Activities*

As part of the World Trade Center Economic Recovery Program, New York Governor George Pataki (D) has allocated low-cost electricity to businesses affected by the attacks. The program will provide 80 MW of electricity at a rate of 25 percent below commercial rates, saving businesses \$6 million per year. (Source: *Business Wire*, June 14, 2002)

New York City's Battery Park City Authority (BPCA) has issued a new set of environmental construction guidelines to spur the development of "revolutionary eco-friendly commercial buildings." The guidelines encourage developers to store and recycle wastewater onsite; install photovoltaic panels; implement strategies for efficient energy use; landscape roof areas to reduce heat gain and loss; and install efficient heating, ventilating and air conditioning systems. "Our green guidelines take a 'total system approach' to cost-effective construction," said James Gill, Chairman of the BPCA. "Improved environmental quality, increased water conservation, the efficient use of energy, and 'green' marketing strategies are making Battery Park City a model for urban development." Battery Park City is built on a former landfill at the southern tip of Manhattan Island. (Source: *GreenBiz*, May, 2002)

Since May of 2002, over 20,000 New Yorkers have traded in old, inefficient room air conditioners for newer ENERGYSTAR™ models thanks to the Keep Cool Program, a collaborative effort between the New York State Energy Research and Development Authority, the New York Public Service Commission, the New York Power Authority, and the Long Island Power Authority. Keep Cool is designed to help consumers lower their energy costs while easing the strain on New York's resources. Last year, 41,000 New Yorkers took advantage of the air conditioner program, resulting in an estimated \$700,000 in annual energy savings. Participation is expected to increase significantly this year. (Source: Alliance to Save Energy, June 6, 2002)

Recently, an historic groundbreaking took place in New York at the site of the Nation's largest affordable, environmentally-sustainable, multi-family housing condominium. The \$40 million, 225,000 square-foot development will be the first of its kind in New York City and the largest in the U.S. The condominium, specifically designed for middle-income families, will include an energy efficient infrastructure, provide superior air quality, utilize renewable resources, and be the first affordable urban mid-rise to qualify for the New York State Green Building Tax Credit. Construction is scheduled for completion by the summer of 2003. (Source: *Business Wire*, June 21, 2002)

The Massachusetts Technology Collaborative has launched a \$14.6 million Green Building Program that will provide grants of up to \$500,000 for feasibility studies, design and construction assistance, and public awareness and education campaigns. The program's two components include

the Green Schools Initiative and the Green Buildings Initiative for commercial and institutional projects. Funding for the project comes from the Renewable Energy Trust, established by the Massachusetts State Legislature in 1998. (Source: *Environmental Building News*, May 2002)

► *Status of Utility-Related Activities*

The Rhode Island State legislature is considering revising its electric deregulation law. Passed six years ago, critics say the law has done little to spur competition. The House of Representatives recently passed a new bill that will allow consumers to buy electricity as a group through their municipality and allow customers to return to the standard offer agreement. When the General Assembly convenes again in January 2003, bill sponsor Brian Kennedy (D/Hopkinton) will attempt to reinstate a provision that would allow customers the choice to purchase green power. (Source: *Providence Journal*, June 14, 2002)

In response to the Federal Energy Regulatory Commission's request that Maine consider joining a Regional Transmission Organization with the Mid-Atlantic States, **the Maine Public Utility Commission will study the plausibility of joining with northern Maine and Canada.** The report, to be issued by January 2003, will assess the reliability and costs of such an endeavor. (Source: *Portland Press Herald*, June 5, 2002)

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CHICAGO REGION

► *General State Activities*

The State of Illinois will purchase at least five percent green power annually to serve buildings owned or operated under Governor George Ryan's (R) control. The Governor marked the proclamation as an executive order on Earth Day this year and committed to increasing renewable energy purchases to at least 15 percent by 2020. (Source: *Green Power Marketing Monthly Update*, May 2002)

The Illinois legislature recently passed three bills aimed at stimulating the deregulated electric market by making it easier for small users to gain access to loans, benefit from municipal aggregation, and participate in energy efficiency programs. The three bills, *SB 1565*, *SB 1569*, and *SB 1645*, are currently waiting the Governor's approval. According to Kathryn Tholin, General Manager of the Community Energy Cooperative, passage of the three bills is "critical if deregulation is to work for most consumers in Illinois." (Source: *PR Newswire*, June 4, 2002)

► *Status of Utility-Related Activities*

Michigan State Representative William Callahan (D) introduced a bill that would repeal the state's electric deregulation law, which commenced on June 5, 2000. The bill was referred to the House Committee on Energy and Technology. (www.michiganlegislature.org)

Missouri Senator Sarah Steelman (R) introduced legislation creating the Joint Legislative Committee on Utility Regulation and Infrastructure Investment. The committee will be responsible for monitoring the state's utility regulatory process and for making recommendations to improve the process. (Source: www.house.state.mo.us)

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DENVER REGION

► *General State Activities*

A renewable portfolio standard requiring that utilities generate two percent of their electricity from renewable sources beginning in 2003 and 10 percent by September of 2007 is being considered by the New Mexico Public Regulation Commission. Public hearings were conducted in May to assess the proposition. (Source: *Restructuring Today*, June 4, 2002)

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PHILADELPHIA REGION

No news of interest to FEMP.

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SEATTLE REGION

► *Status of Utility-Related Activities*

On July 1, the California Power Authority will launch the California Demand Reserves Partnership, an initiative that pays businesses, water districts, and local governments to reduce power demand when the state's electric supply is low. The arrangement will ensure that the California Department of Water Resources maintains a 1,000 MW reserve capacity. Eligible participants are customers of Pacific Gas and Electric, Southern California Edison, and San Diego Gas and Electric. State agencies will be able to curtail air conditioning and lighting demand through the use of satellite technology and electric meters. More information on the program can be found at www.capowerauthority.ca.gov. (Source: *The Modesto Bee*, June 22, 2002)

Based on its success in the summer of 2001, the California Public Utilities Commission (CPUC) reinstated its "20/20" energy rebate program. Running July through October of this year, consumers who reduce their energy use by 15 to 20 percent compared to their usage in 2000 will receive rebates accordingly. Eligible consumers include residential customers of Southern California Edison, Pacific Gas and Electric, and San Diego Gas and Electric. (Source: *Los Angeles Times*, June 7, 2002)

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UTILITIES AND SUPPLIER ACTIVITIES

GENERAL ANNOUNCEMENTS

Atmos Energy Corporation has designed a website that will link energy assistance companies with low-income energy consumers in need of financial assistance. The website enables companies to access consumer account information to identify families in need of support. Money can automatically be submitted to the customers account. The system would prove beneficial to states that have exhausted their Federal Low Income Home Energy Assistance Program allotment, and it will also save the utility the costs of manually turning off power at the home of a delinquent account. (Source: *PR Newswire*, June 11, 2002)

After gaining approval from the Federal Energy Regulatory Commission, Pacific Gas and Electric Company, the Western Area Power Administration, and Trans-Elect, Inc., will partner to create a third line within the Path 15 network, which facilitates the transfer of power between the northern and

southern parts of the state. The Path 15 network was blamed for creating bottlenecks in California's power grid last summer, which resulted in power blackouts for energy consumers. The California Public Utilities Commission emphasized that the project is viewed as "a Federal project going forward, not a state project." Both Federal and state authorities will be involved in future decision-making deliberations, however. Officials at the Independent System Operator (ISO) claim that the new capacity will help reduce electricity costs in California by \$100 million each year under normal conditions. ISO Chairman Michael Kahn said, "Not only will this lead to economic benefits for consumers, the upgrade means we'll have a more reliable grid, and a far better way to move megawatts up and down the state." (Source: *Sacramento Bee*, June 13, 2002, and *Reuters*, June 25, 2002)

Projected power plant generation capacity due to new construction in 2002 is expected to exceed last year's level by 30 percent. By the end of the year, almost 65,000 MW of power will come online. Already, over 20,000 MW of new capacity has entered the energy market. (Source: *PR Newswire*, June 19, 2002)

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ATLANTA REGION

No news of interest to FEMP.

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BOSTON REGION

► *Restructuring Activities*

ISO New England Inc. and the New York ISO have agreed to integrate the two electric transmission systems, which together serve over 33 million electric customers in the region. The decision was made to comply with the Federal Energy Regulatory Commission's mandate that four regional transmission organizations (RTO) be formed across the United States. The Northeast RTO is scheduled to be functional in 2003. (Source: *Reuters*, June 19, 2002)

► *Public Benefits Programs*

Niagara Mohawk's new green power program was approved by the New York Public Service Commission on May 23. Created in consultation with Green Mountain Energy, NativeEnergy, and Clean Energy Intervenors, the program will provide customers with electricity derived from renewable resources. The program will begin in August or September of this year. (Source: *New York Public Service Commission Press Release*, May 23, 2002)

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CHICAGO REGION

► *Public Benefits Programs*

Representatives of Central Illinois Power (CILCO) claim that their customers are not under threat of blackouts this summer. The company assures customers that it has enough power to serve anticipated peak loads and meet demand. CILCO representatives note that preventive maintenance has been done to anticipate peak load. Corn Belt Energy Corporation expects stability this summer because of it has engaged in long-term energy contracts. AmerenCIPS expects that "even in unusually hot weather, we don't see any problems this summer." (Source: *The Pantagraph*, May 29, 20002)

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DENVER REGION

► *Restructuring Activities*

According to an investigation of the Electric Reliability Council of Texas (ERCOT) by technology consulting firm The Feld Group, the entity must reassess its customer service process in order to improve communications, improve transaction methods, and strengthen hardware. Customers would be required to pay for the improvements through increased electric bills because ERCOT claims that it can not access separate funds to finance the enhanced services. (Source: *Dallas Morning News*, May 22, 2002)

► *Public Benefits Programs*

More than 50 member utilities of the Missouri River Energy Services group will receive wind energy via the new RiverWinds program. Operational in July, the program will serve municipal utilities in North Dakota, South Dakota, Minnesota, and Iowa with two 900 MW wind turbines. (Source: *Green Power Marketing Monthly Update*, May 2002)

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PHILADELPHIA REGION

► *Public Benefits Programs*

FPL Energy announced its intention to build a new wind energy facility in West Virginia. The Mountaineer Wind Energy Center, with anticipated completion by the end of the year, will provide 66 MW of power. FPL Energy President Ron Green said, "As FPL Energy continues to expand its wind energy business, we're pleased to be locating the largest wind facility in the East in the heart of West Virginia." (Source: *Business Wire*, June 26, 2002)

► *Restructuring Activities*

Electricity deregulation in New Jersey and Pennsylvania is weakening, even though alternative generators are pricing their products at levels equal to incumbent utility prices. The weakened market may be due to PJM Interconnection rules requiring that utilities maintain power reserves no matter the cost and the wholesale rate hike imposed by PPL Corp. in January 2001. (Source: *The Philadelphia Inquirer*, May 20, 2002)

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SEATTLE REGION

► *Public Benefits Programs*

Low income customers of Pacific Gas and Electric can now enroll to receive a 20 percent discount on energy bills through the California Alternate Rate for Energy program. While 600,000 customers already benefit from the program, 400,000 are still eligible. The CPUC has raised the income level of availability by two to three percent, enabling more participation. (Source: *PR Newswire*, May 31, 2002)

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ALTERNATIVE FUELS AND VEHICLES

GENERAL ANNOUNCEMENTS

NECAR 5, a DaimlerChrysler Mercedes-Benz A Class vehicle powered by Ballard Power Systems' Mark 900 series fuel cell, has made a successful trip from San Francisco to Washington, DC, in 12 days. The fuel tank contained methanol, which was provided at 300-mile intervals. The only emissions were water vapor and carbon monoxide. The NECAR 5 is valued at \$100,000. (Source: *Greenwire*, June 5, 2002)

CALSTART is seeking nominations by August 16 for its Blue Sky Award™ and Charles R. Imbrecht Blue Sky Innovation Award for 2001. The award is available to individuals, companies, or organizations to recognize innovative actions taken to develop future markets for advanced, sustainable transportation. To submit awards, contact CALSTART for nomination forms and submit them via email to sromeo@calstart.org or via fax to 626/744-5610. (Source: *E-Wire News*, June 11, 2002)

Chrysler has introduced "MAGIC" (Multiple Approaches to Great Internal Combustion), an engine with 14 percent better fuel efficiency for less than \$200 per engine. The MAGIC engine saves fuel through several small changes, and then is placed in a modified Dodge Durango SUV for overall fuel efficiency improvement of 25 percent, for less than \$700 cost per vehicle. Improved areas are: increased compression ratio, charge motion control, parasitic loss reduction, use of a 12V alternator/restarter, improved cooling technologies, improved undercarriage aerodynamics and grille shutters, and electro-hydraulic power steering. (Source: *CALSTART News Notes*, June 13, 2002)

ATLANTA REGION

No news of interest to FEMP.

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BOSTON REGION

No news of interest to FEMP.

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CHICAGO REGION

No news of interest to FEMP.

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DENVER REGION

New Products and Services

As part of BP's global Clean Cities Initiative, BP has started delivering low-sulfur gasoline to the Denver Metropolitan Area, Fort Collins, Colorado Springs, and Boulder. The lower-sulfur Amoco Ultimate blend has 85 percent less sulfur than prior Ultimate blends. The fuel is introduced at no added cost to consumers and will reduce nitrogen oxide emissions. (Source: *EREN Network News*, June 12, 2002; BP Press Release, June 12, 2002)

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PHILADELPHIA REGION

New Products and Services

New Jersey Transit now offers OzonePasses to the employees of New Jersey companies for use on high ozone days. These two dollar passes are valid for any of the 238 bus routes, 12 commuter rail lines and two light-rail services without time or distance restrictions. Companies that choose to participate buy the passes in May and are able to return unused passes in September. (Source: *Greenwire*, June 13, 2002)

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SEATTLE REGION

AFV Fleet Acquisitions

South Coast Air Quality Management District (AQMD) will retrofit 1,058 diesel school buses at 30 public school districts with particulate emission filters in the Los Angeles Metropolitan Area.

AQMD has approved \$7.4 million for the project, with the goal of reducing air pollution that could cause cancer in children. In order to work properly and reduce particulate emissions by 85 percent, the ceramic filters must run on low-sulfur diesel. Additionally, AQMD has paid \$24.75 million to purchase 141 new compressed natural gas buses and 87 new low emission diesel buses. (Source: *Environmental News Service*, June 17, 2002)

The Red Bus touring sedans, first debuted in the 1930's, have returned to National Parks as a fleet of 33 refurbished coaches fueled by propane. Through the National Parks Foundation's Proud Partners of America's National Parks program, Ford Motor Co. restored and converted the antique buses to alternative fuel vehicles, making the fleet 93 percent cleaner than original buses. (Source: *CALSTART News Notes*, June 18, 2002)

New Products and Services

The Elevated Transportation Company (ETC) has selected a route for the proposed Green Line, which will increase ridership of the Seattle monorail system by 68,000 riders a day. The estimated cost is \$1.25 billion for the 19-stop line, funded by a 1.4 percent annual tax on motor vehicles. If the tax is approved, the ETC anticipates the monorail addition will be completed by 2007. (Source: *Seattle Times*, June 4, 2002)

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MEETINGS, CONFERENCES, AND TRAINING WORKSHOPS

- See also [Attachment D](#) – New Technologies.
- Refer to [Attachment E](#) – Calendar of Upcoming Events.

ATLANTA REGION

The Association of Energy Engineers is presenting the World Energy Engineering Congress on October 9-11 in Atlanta, Georgia. The conference will have many concurrently running tracks. Topics will include the National Energy Strategy, Industrial Energy Management, Performance Contracting, HVAC Optimization, Fuel Cells, and much more. To register, go to www.aeecenter.org.

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BOSTON REGION

The Electric Power Research Institute is sponsoring a Business Venture Forum for Emerging Distributed Resources Technology Companies, Investors, and Market Channels in Boston, Massachusetts, on July 24-25. The purpose of the forum is to facilitate the exchange of information on distributed resources and investment opportunities. For more information, go to <http://www.lrca.com/BV/DRventure-e.htm>

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CHICAGO REGION

The University of Wisconsin is hosting a conference, Cogeneration Technology, on August 19-23 in Madison. Topics will include Cogeneration Overview, Basic Thermodynamic Cycles, Single Line Utility Diagrams, and Data Gathering and Load Profiles, among others. For more information or to register, go to epdweb.engr.wisc.edu/brochures/a953.html.

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DENVER REGION

Energy Business Watch is sponsoring a conference, FERC 101 and 102: Changing Wholesale Power Markets, on July 16-18 in Houston, Texas. Topics will include FERC's Historical Role, Electricity Versus Natural Gas Markets, Open Access Requirements, Transmission Pricing, and more. For more information, download the conference brochure at www.pmaconference.com/FERCjunjul2002.pdf.

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PHILADELPHIA REGION

The American Council for Renewable Energy is sponsoring a two-day meeting on July 10-11 in Washington, DC. Confirmed speakers include Senator Jeff Bingaman (D-NM) and DOE Assistant Secretary for Energy Efficiency and Renewable Energy David Garman. The broad topic of the meeting is to "take renewable energy to a new level" in America. For more information, see www.americanrenewables.org.

The Energy Services Coalition is sponsoring its Summer Workshops in Annapolis, Maryland, on July 17-18. Attendees will learn about energy savings performance contracting, the LEED rating system, and more. For more information, see www.escperform.org/meetings/MD.htm.

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SEATTLE REGION

No new events of interest to FEMP.

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STUDIES, REPORTS, AND ANALYSES

ENERGY AND WATER CONSERVATION

***California Customer Load Reductions During the Electricity Crisis: Did They Help to Keep the Lights On?*, Lawrence Berkeley National Laboratory, June 2002.**

The Lawrence Berkeley National Laboratory (LBNL) released a study reporting that, by reducing peak power demands by three thousand to five thousand megawatts in 2001, customers helped avoid electrical blackouts. The study assessed factors such as electricity and natural gas price increases, the role of the media in increasing public awareness of the crisis, load management programs of utilities and the California Independent Systems Operator, and other state programs. While it is difficult to examine the impact of each of the variables separately, together the factors saved approximately \$23 billion in blackout costs. LBNL scientists have created a website, savepower.lbl.gov, that lists energy savings activities and their predicted savings returns.

***Green Building Guidelines*, Sustainable Buildings Industry Council, May 2002.**

This report, written “by builders for builders,” features case studies, design strategies, checklists, and marketing tips on how to produce energy- and resource-efficient homes and buildings. The report contains specific sustainable guidelines on topics such as community and site planning, efficient water use, indoor environmental quality, operations and maintenance, green building materials, and construction waste management. To order, visit www.SBICouncil.org.

***Building Greener, Building Better: The Quiet Revolution*, National Association of Home Builders (NAHB) Research Center, May 2002.**

This report outlines green building design and construction and promotes green initiatives, the “next wave” in home building and land development. The report includes an overview of green building trends and case studies and includes sections on green building and community planning, green building trends in land development and site design, and water resources and quality. The full text is available online at www.nahbrc.org.

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ALTERNATIVE FUELS AND VEHICLES

***Location Efficiency: Neighborhood and Socio-Economic Characteristics Determine Auto Ownership and Use – Studies in Chicago, Los Angeles and San Francisco*, Institute for Location Efficiency, March 2002.**

The findings of this three-city study show that better urban design can reduce auto use and the accompanying problems of traffic congestion and pollution. A measure of location efficiency shows that the more efficient the location (which takes into account factors of neighborhood density, transit access, and pedestrian and bicycle friendliness) the less people will use their cars. Transportation is the second greatest household expense after housing itself.

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UTILITY-RELATED ISSUES

Making Competition Work in Electricity, Wiley, June 2002.

Regarded as “an essential guide for policy makers” by MIT Professor Paul Joskow, the study covers issues such as functions and traditional organization of the electric industry, the need for demand response in wholesale and retail markets, and technical factors that make the electricity sector different from other industries. The author states that U.S. energy policy must standardize trading arrangements, consolidate and regulate transmission, and ensure that generating markets are competitive before they are deregulated.

Demand Response Programs, Commercial Writing, June 2002.

This report assesses the environment of the energy demand/load response market based on market price signals. Specifically, the report defines what demand response programs are, details the evolution of programs over the last two to three years, discusses key drivers of initiatives, and identifies barriers and keys to success. The publication describes direct load control, interruptible load, curtailable load, time of use, real-time pricing, and demand bidding/buyback. It also provides a look at existing programs offered through utilities. To order the report, visit www.commercialwriting.com/reports.htm or call (303) 369-3533.

Crossed Wires: Scenarios for the Future of the Electric Distribution Business, Xenergy, May 2002.

This analysis looks at four different paths that electric distribution might take in the future. Authors conclude that a regulated industry requires further cost-cutting, outsourcing, and consolidation. New energy technologies will drive the future of the electric industry. Bruce Humphrey, Vice President of Xenergy, concludes that “the future of electric distribution business may unfold in ways that are far different from today’s regulated utilities.”

National Transmission Grid Study, Department of Energy, May 2002.

According to the report, the aging national electric transmission system may cause widespread power outages if market participants do not find ways to construct and maintain the system more effectively. The most congested areas are between the Mid-Atlantic and Midwest regions, the Northeast, and between the Southeast and Florida. The report points out that, while construction is only expected to rise by six percent over the next ten years, the demand for electricity demand and generation capacity will increase by 20 percent.

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ATTACHMENT A

STATUS OF FY 2002 APPROPRIATIONS BILLS

(In Billions)

HOUSE

SENATE

<i>Jurisdiction/ FY 2003 Budget Request</i>	<i>302(b) Allocations/ Approved Funding Level</i>	<i>Bill No.</i>	<i>Full Cmte.</i>	<i>Floor</i>	<i>Conf.</i>	<i>302(b) Allocations/ Approved Funding Level</i>	<i>Bill No.</i>	<i>Full Cmte.</i>	<i>Floor</i>	<i>Conf.</i>
Agriculture \$17.051	\$ 17.601					\$ 17.980				
Commerce \$ 40.333	\$ 40.726					\$ 43.475				
Defense \$356.598	\$354.447	HR 5010	6/24	6/27		\$ 517.0				
Energy and Water Development \$251.149	\$ 26.027					\$ 26.300				
Interior \$18.953	\$ 19.670					\$ 18.926		6/27		
Labor / HHS \$129.902	\$129.902					\$133.988				
Military Construction \$ 9.541	\$ 10.083	HR 5011	6/24	6/27		\$ 10.622		6/27		
Transportatio n \$ 19.851	\$ 19.411					\$ 21.100				
Treasury \$ 17.960	\$ 18.501					\$ 18.501				
VA/HUD \$ 92.518	\$ 91.841					\$ 91.434				
Total 302(b) Allocations/ FY 2003 Budget Request \$748.141***	\$748.096 ***					\$757.745 ***				

*** Also includes appropriations bills not listed or relevant to this report.

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ATTACHMENT B

PRIVATIZATION INITIATIVES

Military Branch	Facility	Utility System	Contact / Solicitation No.
ATLANTA REGION			
<i>(No new announcements)</i>			
BOSTON REGION			
<i>(No new announcements)</i>			
CHICAGO REGION			
<i>(No new announcements)</i>			
DENVER REGION			
Army	Fort Riley, Kansas	Privatization of water and wastewater utility systems	Perry Marks 816-983-3850 Solicitation Number DACA41-02-R-0009
USA Engineer District (Military)	Air Force Materiel Command, Forth Worth, TX	Development of housing privatization program and documents	Linda Eadie 817-886-1085 Solicitation Number DACA6302T0013
PHILADELPHIA REGION			
<i>(No new announcements)</i>			
SEATTLE REGION			
Army	Fort Lewis, WA	Privatization of electrical distribution system	Olive Lenney 253-966-3503 Solicitation Number DAKF57-02-R-0009

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ATTACHMENT C

FEDERAL AGENCY BUILDING PROJECTS

AGENCY	PROJECT	CONTACT
ATLANTA REGION		
General Services Administration	Design new Federal courthouse, including construction of new building, LEED certification, incorporate sustainable features, HVAC excellence, productivity in the workplace, energy efficient and designed to meet and/or exceed energy goals established by GSA; Fort Pierce, FL	Melvin McIntosh 404-331-5014 Solicitation Number GS-04P-02-EXC0052
Federal Bureau of Prisons	Plan, design, construct, renovate, and maintain facilities; must have specialized experience and technical competence in energy conservation, pollution prevention, waste reduction, and the use of recovered materials, experience performing sustainable design; in, but not limited to, GA, AL, FL, MS, SC, PR	John Fredrick 678-686-1414 Solicitation Number 30020-0148
General Services Administration	Design new Federal courthouse, including LEED, productivity in the workplace, and sustainable features; must meet and/or exceed energy goals established by GSA; Jackson, MS	Alison Smith 404-331-4630 Solicitation Number GS-04P-02-EXC-0056
U.S. Coast Guard	Barracks building rehabilitation, replace dual service (chilled and hot water) piping and insulation, replace gas-fired boiler and shell and tube heat exchanger; USCG Base Charleston, SC	Billie Jo Cherico 305-278-6723 Solicitation Number DTCG82-02-B-3WCA46
Army	Install solar protection on windows; Martin Army Community Hospital, Fort Benning, GA	Frank England 706-787-2376 Solicitation Number DADA08-02-T-0245
BOSTON REGION		
U.S. Military Academy at West Point	Install new 40 ton chiller; West Point, NY	Joyce Tilton 845-938-4416 Solicitation Number W16XX821480500
CHICAGO REGION		
<i>(No new announcements)</i>		
DENVER REGION		
United States Fish and Wildlife Service	Construct two floors including geothermal-coupled heat pump HVAC system; Headquarters Office, Kenmare, ND	Germaine Sylliaasen 303-236-5412 x238 Solicitation Number 601812B385

AGENCY	PROJECT	CONTACT
U.S. Fish and Wildlife Service	Design and build new solar photovoltaic system for office/visitor center buildings; Albuquerque, NM	Mary Ann Crafton-Williams 505-248-6775 Solicitation Number 201812Q031
Air Force	Replace one 150 HP domestic cold water pump with two 25 HP variable speed duplex systems; Wilford Hall Medical Center, Lackland AFB, TX	Guadalupe Murphy 210-671-1725 Solicitation Number F9SGLF20530100
PHILADELPHIA REGION		
United States Postal Service	Install new aluminum windows with factory applied insulated glass panels; Hoboken, NJ	Lori Savage 201-714-5444 Solicitation Number 332495-02-A-0036
United States Army Corps of Engineers	Install new 1758.5 kW chiller in the central cooling plant, new 2110 kW capacity cooling tower on the roof, and new 250 mm condenser water piping from the new cooling tower to the new chiller; DLA Headquarters, Fort Belvoir, VA	Regina Wheeler 410-962-3204 Solicitation Number DACA31-02-R-0021
U.S. Coast Guard	Replace or upgrade light fixtures to comply with EPA Green Lights standards; Martin Hall, USCG Training Center, Yorktown, VA	Donna Miller 757-852-3422 Solicitation Number DTCG47-02-B-3EFK17
Air Force	Add chilled water heater exchanger to building 6000; Bolling AFB, DC	Daffeney Dortly 202-767-8100 Solicitation Number F49642-02-R-0017
U.S. Army Corps of Engineers	Architectural Engineering contracts for engineering, design, and related services; must have specialized experience and technical competence in energy conservation, pollution control, waste reduction, and the use of recovered materials for the design of buildings and other facilities; Pittsburgh District, may also extend within Great Lakes and Ohio River Division	Darrin Barber 412-395-7464 Solicitation Number DACW59-02-R-0005
Air Force	Prepare and install a polyurethane foam insulation with spray-applied 100 percent acrylic fluid elastomeric coating system over existing built-up-roof; Dover AFB, DE	Langston Hines 302-677-5032 Solicitation Number F07603-02-R-0019
National Park Service	Replace existing HVAC systems, furnish and install new propane fired up flow furnaces with add on evaporator coils; Visitor Center at George Washington Birthplace National Monument, East Luray, VA	540-999-3573 Solicitation Number Q4380020002

AGENCY	PROJECT	CONTACT
SEATTLE REGION		
National Park Service	Purchase and install three turnkey handicap-accessible toilet buildings equipped with a remote-composting toilet system, photovoltaic system, and minimum 200-gallon cistern; Hawaii National Park, HI	Ellen Cullen 808-985-6007 Solicitation Number Q8300020010
USPFO for Idaho	Construct 12,000 SF office building including polyisocyanurate board insulation, aluminum framed windows with insulation glass with tinted and low-E glass, and thermal and acoustical insulation; Gowen Field, Boise, ID	Tammie Hauger 208-422-4603 Solicitation Number DAHA10-02-B-0001
Navy, NAVFAC	Construct Bachelor Enlisted Quarters with energy management system; Marine Corps Base, HI	Loredana King 808-474-6321 Solicitation Number N62742-00-R-1309
U.S. Army Engineer District	Construct barracks facility with self-contained gas-fired heating systems; Presidio of Monterey, CA	Tim Boyd 916-557-5226 Solicitation Number DACA05-02-R-0015
Navy, NAVFAC	Currently 5,000 square feet of the building is air-conditioned with a plan to add a chilled water type system to provide for flexibility; Naval Postgraduate School, Monterey, CA	Elizabeth Johns 650-746-7477 Solicitation Number N62474-02-R-0015
Corps of Engineers (Civilian)	Solar-powered, public-operated marine pump-out stations; Dworshak Dam, Ahsahka, ID	Patti Record 509-527-7224 Solicitation Number DACW68-02-Q-0117
U.S. Army Corps of Engineers	Rehabilitate an 18-MW diesel engine/generator electric power plant, involving replacement of generator support systems for six Cooper-Bessemer/GE Engine Generators including new digital controls, new cooling system, new lube oil system, new fuel system, new heat recovery system, new diesel exhaust system, new motor control centers, replacement of building HVAC system; Elmendorf AFB, AK	Carolyn Haynes 907-753-2545 Solicitation Number DACA85-02-R-0018
U.S. Department of Commerce, National Oceanic and Atmospheric Administration	Install new site utilities including water treatment system, packaged waste treatment system, and generator back-up power system; NOAA/NOS Kasitsna Bay Laboratory, near Seldovia, AK	Ronald Anielak 816-426-7267 Solicitation Number NAAJ8700200103

AGENCY	PROJECT	CONTACT
MULTIPLE REGIONS		
Navy, NAVFAC	Architectural Engineering services for design for various projects, knowledge and experience in applying sustainability concepts and principles to facilities and infrastructures through an integrated design approach, including energy conservation, pollution prevention, use of recovered and recycled materials, waste reduction, and construction waste management practices; CA, AZ, NV, NM, possibly also WA, OR, ID, AK, MT, and UT	Diana Price 619-532-2439 Solicitation Number N68711-02-R-8022

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ATTACHMENT D

NEW TECHNOLOGIES

For informational purposes only. Listing does not imply endorsement.

Technology	Manufacturer	Manufacturers Claim	Contact
Power Sources			
70 kW Microturbine Cogeneration System	IR PowerWorks	Fueled by natural gas or alternate fuels, meets emissions standards for EPA-designated non-attainment areas, generates electricity and heat	www.irpowerworks.com
MicroTurbine™ Distributed Power Generation System	Capstone	Increases thermal efficiency from 70 to 90+ percent	www.microturbine.com
Chillers			
MOB-42 HP Portable Air Conditioner	TOPP Portable Air	UL listed for outdoor use	www.toppcool.com/acmob42.htm
Lighting			
Retrolux T-5 System	Westinghouse	Saves up to 47 percent over existing lighting system, additional 23 percent savings in dimming mode	westinghouse.omni-link.net
Centura™ Daylight Harvesting System	Leviton	Adjusts fluorescent light brightness according to ambient light levels to save energy	www.leviton.com
Hi-lume® Florescent Dimming Ballast	Lutron	Dims compact florescent fixtures from 100 percent to one percent	www.lutron.com/ballast/hilume.asp
Advance Mark VII® 0-10V Dimming Ballasts for 57-watt and 70-watt Lamp	Advance Transformer Company	Reduces power consumption and heat emissions	www.advancetransformer.com
IR2166 Ballast Control IC	International Rectifier	Improves electrical equipment efficiency	www.irf.com
Outlook™ Emergency Lighting	Lightolier	UL listed	www.lightolier.com

Technology	Manufacturer	Manufacturers Claim	Contact
Lytespread Alpha	Lightolier	Emits same light levels with fewer fixtures, reducing energy consumption	www.lightolier.com
DULUX EL Mini Twist Lamp	Osram Sylvania	Saves 78 percent in energy costs compared to 60-watt incandescent lamps	www.sylvania.com
QUICKTRONIC® PROStart T5HO Universal Florescent Ballast	Osram Sylvania	Ideal for low-profile, very efficient T5 luminaries	www.sylvania.com
EYE-Q Linear Prismatic Lens	Lightolier	84 percent efficiency	www.lightolier.com
Paraplus Luminaries	Lightolier	82 percent efficiency rating	www.lightolier.com
Quest	Alera Lighting	UL-listed 1598, optional CSA label	www.aleralighting.com/products/products.html
IndiQuest	Alera Lighting	UL-listed 1570 and 1598, optional CSA label	www.aleralighting.com/products/products.html
SSTV-MSD Studio HID Lamp	Royal Philips Electronics	Long-lasting, ultra-efficient	www.lighting.philips.com/nam/pressroom
MasterColor® CDM-SA 150-watt Short Arc Optics	Royal Philips Electronics	Fixtures using these lamps are able to collect light more efficiently	www.lighting.philips.com/nam/pressroom
Marathon® R30 and R40 20-watt Dimmable SLS Reflector	Royal Philips Electronics	Dims to promote energy efficiency, lasts up to four times longer than standard incandescent bulbs	www.lighting.philips.com/nam/pressroom
Halogena® Spotlight and Floodlight	Royal Philips Electronics	Lasts 50 percent longer than standard incandescent spotlights and floodlights	www.lighting.philips.com/nam/pressroom
80-watt PL-L Compact Fluorescent Lamp	Royal Philips Electronics	Provides double the light output of previous PL-L lamps	www.lighting.philips.com/nam/pressroom
SuperBallast™	Delta Power Supply	95 percent efficient operation	www.delta-power-supply.com
LEDison Bulb	Mule Lighting, Inc.	Requires only about 1.1 watts of energy compared with 10-60 watts for incandescent bulbs; less heat production than incandescents	www.mulelighting.com
HOT WATER HEATERS			
Flo-Direct Hot Water Heater	Armstrong International, Inc.	Two-pass flow of hot gas ensures 98 percent or greater fuel efficiency	www.armstrong-intl.com/products/wheaters/flodirect.php3

Technology	Manufacturer	Manufacturers Claim	Contact
Modu-Fire® High-efficiency Hot Water Boiler	Patterson-Kelley	Up to 88 percent efficiency	www.patkelco.com/pkboilers/index.shm
ENERGY MANAGEMENT TOOLS			
Government Facility Energy Management System	Silicon Energy	Streamlines and connects energy management processes for government entities, increases energy efficiency	www.siliconenergy.com
Grid Friendly™ Controller	Pacific Northwest National Laboratory	Uses data from the power grid to balance energy supply and demand, tested and ready for licensing	www.pnl.gov/main/highlights/grid.pdf
Energy Data Warehouse	Silicon Energy	Streamlines data collection and provides a repository of energy data accessible to multiple users	www.siliconenergy.com
Auto-Draft® Inducer	Tjernlund Products, Inc.	Constant-pressure controller automatically regulates fan speed to save energy	www.tjernlund.com
7000 Series Power Transfer Switch	ASCO Power Technologies	Transfers load between utility power and onsite generation, user monitors and controls operation through a graphical user interface	www.asco.com/home.htm
Model DL2 Datalogger	Fieldpiece Instruments Inc.	Records measurement, time, parameter, and multiplier for as many as 20,000 data points	www.fieldpiece.com
Optronik MiniLux 2000 Illuminance Meter	Labsphere	Measures ambient light levels	www.labsphere.com
Automatic Room Temperature Control Valve	ISTEC Corp.	Balances low-pressure steam or hot water systems and controls room temperature	www.istec-corp.com
Low Water Cutoff Control	Taco Inc.	Acts as either primary or secondary low water cutoff	www.taco-hvac.com
CA-6100 CA-CALC™ Portable Combustion Analyzer	TSI Inc.	Analyzes residential and light commercial heating systems and other combustion appliances to tune burners for optimum efficiency	www.tsi.com
CONSTRUCTION MATERIALS			
Ultra-Cool™ Roof coating	BASF	Increases reflexivity, reduces roof and interior heat gain; manufacturer in the process of qualifying product for EnergyStar™ program	www.ultra-cool.basf.com

Technology	Manufacturer	Manufacturers Claim	Contact
Engineered Board	Knauf Fiber Glass	Helps retain thermal efficiency	www.knauffiberglass.com/index.cfm?fuseaction=knauf.dspFlash
Type DP8 Filter	Airguard	MERV 8 rating, 100 percent synthetic filters enhanced with an electrostatic charge to increase efficiency, provides 30 percent to 35 percent dust spot efficiency per ASHRAE Standard 52.1	www.airguard.com
MISCELLANEOUS			
VendingMiser	Bayview Technology Group, LLC	Significantly reduces energy consumption without compromising the vended product; reduces maintenance costs and extends life of the vending machine	www.bayviewtech.com/html/vending_miser_overview.html
TM Series Cooling Tower	Delta Cooling Towers Inc.	Longer life than traditional metal towers; energy efficient	www.deltacooling.com

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ATTACHMENT E

MEETINGS, CONFERENCES, AND OTHER EVENTS

NOTE: New events are highlighted in **blue**.
DOE-sponsored events are highlighted in **red**.

ATLANTA REGION

DATE	EVENT	SPONSOR
October 9-11, 2002	World Energy Engineering Congress Atlanta, GA	Association of Energy Engineers

BOSTON REGION

DATE	EVENT	SPONSOR
July 24-25, 2002	Business Venture Forum for Emerging Distributed Resources Technology Companies Boston, MA	Electric Power Research Institute
July 24-26, 2002	Fundamentals of Buying and Selling Energy Boston, MA	Association of Energy Engineers

CHICAGO REGION

DATE	EVENT	SPONSOR
July 22-25, 2002	FedFleet 2002 Kansas City, MO	Federal Fleet Policy Council and GSA
August 19-23, 2002	Cogeneration Technology Madison, WI	University of Wisconsin
Fall 2002	International Conference on the Future of Energy Transportation Technologies Detroit, MI	Department of Energy

DENVER REGION

DATE	EVENT	SPONSOR
July 16-18, 2002	FERC 101 and 102 Houston, TX	Energy Business Watch
July 29-August 1, 2002	2002 State Energy Program/Rebuild America National Conference New Orleans, LA	Department of Energy
August 1-2, 2002	American Public Power Association Utility Education Course: Restructuring/Competition Update: Lessons Learned from California Snowmass/Aspen, CO	American Public Power Association
November 13-15, 2002	Green Building International Conference and Exposition Austin, TX	U.S. Green Building Council

PHILADELPHIA REGION

Date	Event	Sponsor
July 10-11, 2002	Two-day meeting Washington, DC	American Council for Renewable Energy
July 17-18, 2002	Summer Workshops Annapolis, MD	Energy Services Coalition
July 15-19, 2002	Comprehensive Five-Day Training Program for Energy Managers Valley Forge, PA	Association of Energy Engineers
September 27-October 5, 2002	Solar Decathlon Village Washington, DC	Department of Energy

SEATTLE REGION

DATE	EVENT	SPONSOR
June 30-July 5, 2002	Ninth International Conference on Indoor Air Quality and Climate Monterey, CA	International Academy of Indoor Air Sciences
August 18-23, 2002	Teaming for Efficiency Pacific Grove, CA	American Council for an Energy Efficient Economy

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